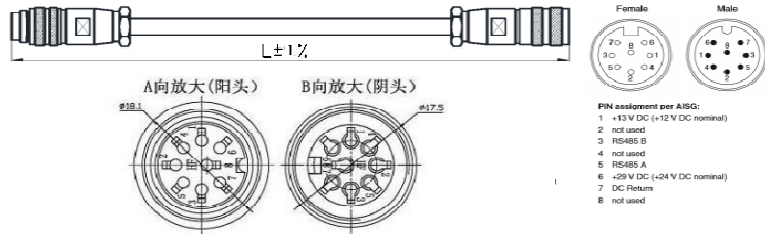


TECHNICAL SPECIFICATION

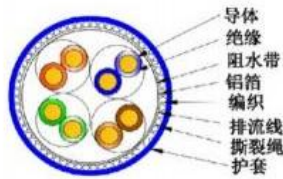
Chengdu Datang

Part No: FHDT-AISGM-AISGF-10M/20M

1. Figure



2. Cable spec



3. Construction 结构

Wire	Construction	Twisted pair, 4 pairs
	Conductor material	Tinned copper wire / bare copper wire
	Conductor cross-section area	24AWG(0.205±0.02mm ²)
	Conductor outer diameter	0.52±0.03mm
	Insulation Materials	HDPE/PVC/PP
	Insulation diameter	1.03±0.1mm
	Thinnest thickness	0.2mm
	Nominal thickness	0.3mm
Shield	Material 1	Aluminum-plastic composite tape (Thickness≥0.04mm)
	Material 2	Tinned copper wire (Diameter≥0.1mm)
	Weave density	≥45%
Jacket	Material	PVC
	Diameter	7.0±0.3mm
	Thickness	1.0±0.1mm
	Color	Black

4. contcat 接点

Connect		
Pin	AISG Male Connector	ASIG Female Connector
1	blue, white blue	blue, white blue (1-1)
2	blank	blank (2-2)
3	green	green (3-3)
4	blank	blank (4-4)
5	white green	white green (5-5)
6	Orange, white orange	Orange, white orange (6-6)
7	brown, white brown	brown, white brown (7-7)

8	blank	blank (8-8)
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5. PRODUCT SPECIFICATION 产品规格

Frequency range (频率范围)	N/A
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6. MATERIAL AND FINISH 材质和电镀层种类

Outer Contact (外导体)	HPb59-1/Nickel
Center Contact (中心导体)	C5210 Ni50u" /Au3u"
Cover (防尘帽)	PE
Insulator (绝缘体)	PBT
Seal (密封件)	Silicone Rubber

7. ELECTRICAL CHARACTERISTICS 电气特性

Voltage Standing Wave Ratio (电压驻波比)	N/A
Contact Resistance (接触阻抗)	<5mΩ
Insulator Resistance (绝缘阻抗)	500MΩ

8. MECHANICAL CHARACTERISTICS 机械特性

mechanical life (机械寿命)	500 cycles
Engagement Forces (插入力)	5PIN-45N max
Disengagement Forces (拔离力)	5PIN-45N max
Contact Retention (中心导体推力)	6 lbs Min
Coupling Nut Retention(联结螺帽承受力)	80 lbs (350 N) Min
Coupling Proof Torque(联结螺帽承受扭力)	10 lbs-in Min
IP-degree (防水要求)	IP67

9. Environmental requirements 环境要求

Temperature range (温度循环)	-40℃ +85℃ (IEC 60068-1)
Neutral salt mist (中性盐雾)	168H 50 m/s
Vibration and impact (冲击、振动)	2: 10~500Hz, 20m/s 2 Frequency sweep cycle 10 times in each direction, 2h
Flammability (防火等级)	UL94-V0
environmental needs (环保要求)	RoHS

Max voltage (V)	250V
Rated Current (A)	5A
Characteristic impedance (Ω)	100±20
AISG Connector A	8pin Female
AISG Connector A Body Style	Straight
Protocol	AISG 2.0
AISG Connector A Standard	IEC601309
Subjects served by AISG cable	Adjust the electric tilt of the Antenna with RET